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Joyce Moore

Name of Person Sending

Joyce Moore
Signature of Person Sending

Case 9444

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the Application of :
John Allen Wooton, et al. :
Serial No. 10/713,460 : Group Art Unit 1724
Confirmation No. 9143 :
Filed November 14, 2003 : Examiner I. Citins
For SPRAYER PURIFIER :
CARTRIDGE SYSTEM :

DECLARATION OF RICHARD L. HORSTMAN

Under Rule 1.131

1. I, Richard L. Horstman, declare that:
2. I have a B.S. in Industry and Technology, and Associates in Manufacturing Design, from Ball State University, in Muncie Indiana.
3. I have been working in research and development for various organizations at The Procter & Gamble Company since 1995, including the Corporate Prototype and Package Development, Home Care Device Development, and Fabric Care organizations.
4. I am one of the inventors of the subject matter of the above-identified application.
5. The following facts show a conception and reduction to practice of the invention described in Claims 1 and 15 before May 13, 2003:

Before May 13, 2003, prototypes of the MR. CLEAN® Autodry™ Carwash spray devices were made. These devices included a sprayer purifier cartridge system comprising a sprayer for spraying water having a receiving structure for a purifier cartridge, and a purifier cartridge containing a substance for purifying water. The cartridges were attachable to the receiving structure of the sprayer. One of the sprayer

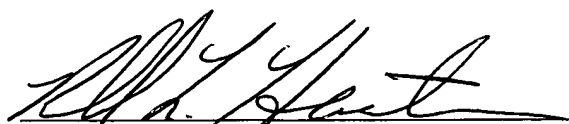
and the purifier cartridge comprised a structure having at least one opening therein, which opening was at least partially surrounded by a material that had flexibility. The other of the sprayer and the purifier cartridge comprised at least one hollow protrusion that fit into the at least one opening to permit the water to flow in at least one direction between the sprayer and the purifier cartridge. The cartridges were attachable to the sprayer to form a seal between the cartridge and the sprayer.

These sprayers also had a recess for insertion of at least a portion of the purifier cartridge. The cartridges used with these sprayers had two ends, and an inlet and an outlet. The inlet and outlet were located on the same end of the cartridge.

This development is described on pages 15 and 16 of Laboratory Notebook #SWF151. A copy of these lab notebook pages with all dates and information not relating to this invention expurgated, is attached.

6. The prototypes described herein were present in the United States of America before May 13, 2003.
7. I further declare that all statements made herein are of my own knowledge and are true, and that all statements made on information and belief are believed to be true; and further that the statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001, Title 18, of the United States Code and that such willful false statements may jeopardize the validity of the above-identified application or any patent issue thereon.

Dated: 12/20/04


Richard L. Horstman

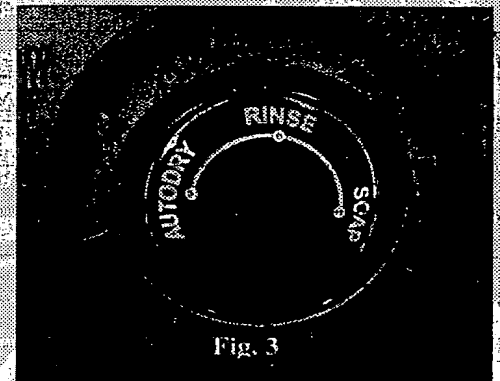
Device

This photo of the device shows the pad printed graphics of the Mr. Clean Autodry Carwash, Logo. The

opposite side has the closure for the soap reservoir shown here in white in the center of the device. The swivel hose connector is located in the lower right hand corner of the device this is where the consumer would attach the garden hose for the water supply. The black oval shaped hole in the device on the left hand side of the picture is the site window for the filter.

This window is where the consumer looks to get some indication that the filter is needs changed.

The filter door, the lower left hand portion of the device, is removed, and the filter is pulled out of the device and replaced with a new filter. (See figure 4.)



Internal Flow paths

The internal flow paths of the device are made injection items not purchased are made of ABS, PP, and Celcon.

PAGE 4/5

SWE151 NOTEBOOK

SIGNATURE

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molded plastic. The

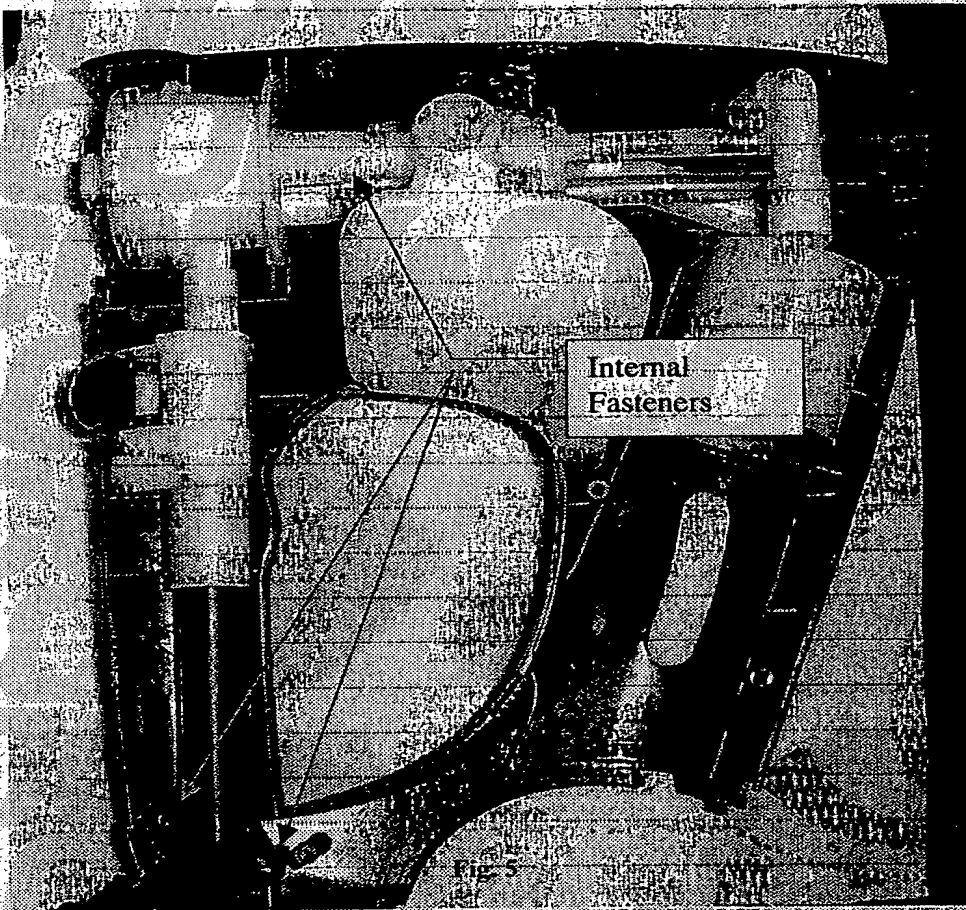
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2 Origin 011601

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The internal assemblies are a mixture of sonic welded joints, O-ring seals, and press fit/ adhesive and snap fit joints. Three internal fasteners hold the internal flow paths in place to prevent movement due to pressures and stresses applied by normal use. (See figure 5) The housings are then snapped together and fastened with six stainless steel fasteners from the outside of the device.



PAGE 018

SAVE 151 NOTEBOOK

APPENDICES

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3 Origin 011601

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